

BY: BOUNOWAY



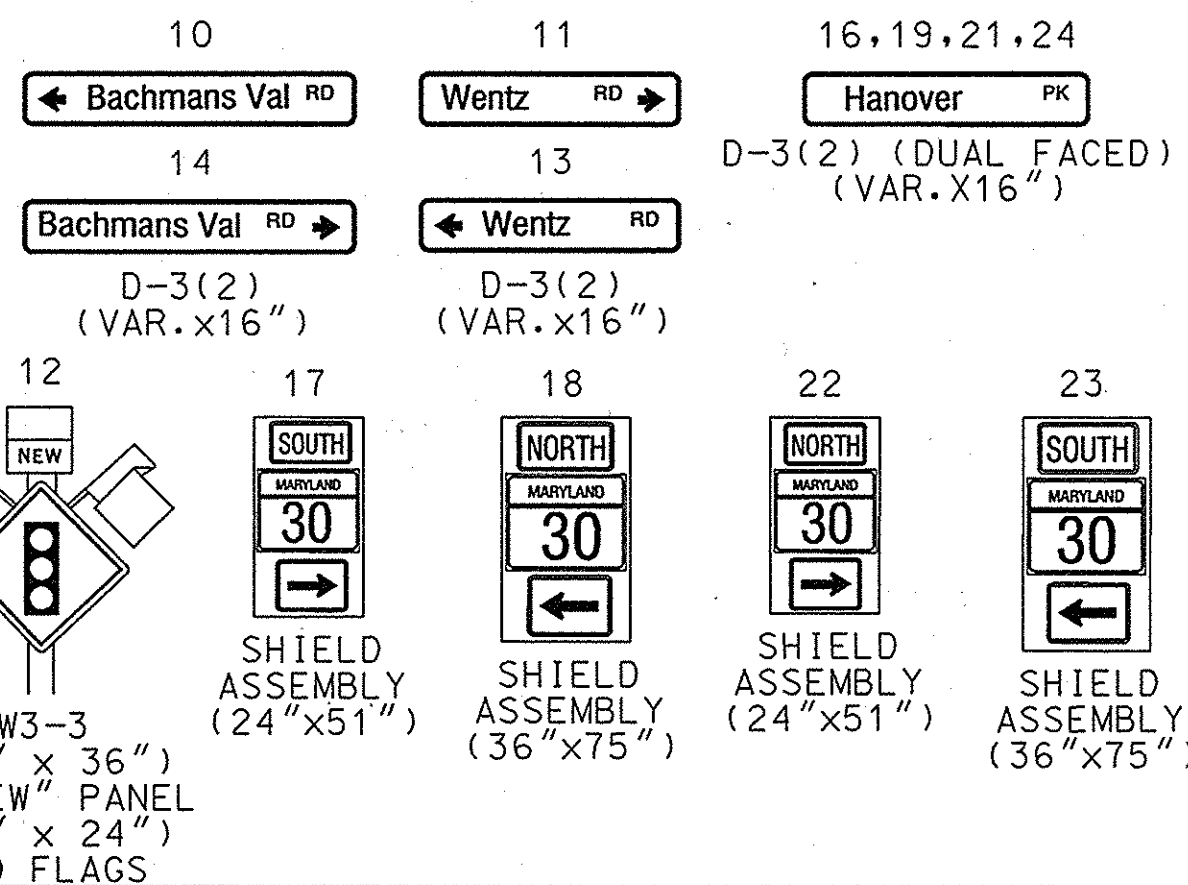
Whitman, Requardt
and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

MD 30 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

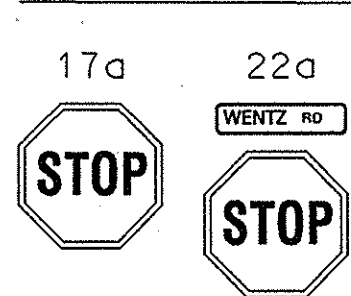
VIDEO ZONE
DETECTION

a

PROPOSED SIGNS



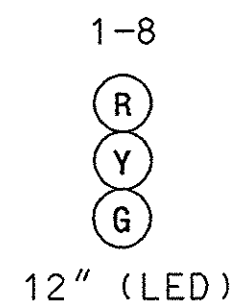
EXISTING SIGNS TO BE REMOVED



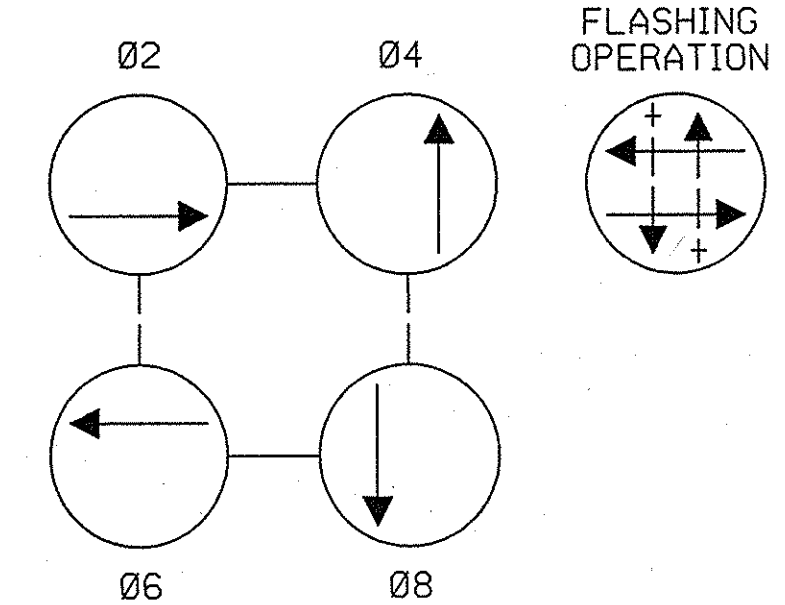
PROPOSED VIDEO DETECTION

a,b

PROPOSED SIGNALS



NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

SPECIAL NOTES

1. CONTRACTOR SHALL CONTACT MR. BRUCE LOCKARD OF CARROLL COUNTY AT (410) 386-6717 AT THE TIME OF SIGNAL TURN-ON TO SCHEDULE THE COUNTY'S REMOVAL OF R1-1, W3-1A, AND D-3 SIGNS AND SUPPORTS.
2. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL LANE FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

TELEPHONE 21'-2"
GUY 22'-1"
CABLE 22'-8"

RIGHT-OF-WAY LINE

SEE SPECIAL
NOTE

FUTURE DECELERATION LANE TO
BE CONSTRUCTED IN SPRING 2006
BY DISTRICT 7 MAINTENANCE FORCES.

MD 30 (Hanover Pike)

MD 30 (Hanover Pike)

RIGHT-OF-WAY LINE

CABLE 19'-11"
SECONDARY 22'-5"
PRIMARY 30'-11"
GUY 39'-0"

CABLE 21'-10"
SECONDARY 25'-1"
PRIMARY 33'-5"
PRIMARY OVER 40'

GUY 21'-9"
SECONDARY 26'-0"
PRIMARY 30'-10"
OVER 40'

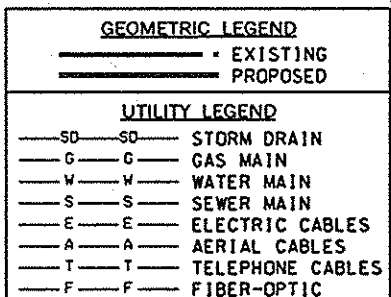
GENERAL NOTES

5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
8. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A TWIN 50 FT. (CUT TO 38 FT.)/50 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240V, 60 AMPS) AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT TO 21 FT.) WITH A TWIN 50 FT. (CUT TO 40 FT.)/50 FT. MAST ARMS, TRAFFIC SIGNAL HEADS AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- C. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD). (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- D. EXISTING R1-1 AND D-3 SIGNS AND SUPPORTS TO BE REMOVED (SEE SPECIAL NOTE 1)
- E. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
- F. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
- G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. EXISTING R1-1 SIGN AND SUPPORT TO BE REMOVED (SEE SPECIAL NOTE 1)
- J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- M. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOPLINE.
- N. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
- O. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
- P. INSTALL HANDHOLE.
- Q. PROPOSED OVERHEAD ELECTRICAL SERVICE.
- R. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
- S. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- T. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. x 6 IN. TREATED WOOD POST APPROXIMATELY 625 FT. IN ADVANCE OF THE INTERSECTION ON SOUTHBOUND MD 30.

MATCH LINE CC - SEE SHEET 2 OF 3



APPROVALS	REVISIONS
<i>[Signature]</i> TEAM LEADER	
<i>[Signature]</i> ASST. DIV. CHIEF	
<i>[Signature]</i> DIVISION CHIEF	
<i>[Signature]</i> OFFICE DIRECTOR	

TOD No: AT717-20M
SHA No: CL329A55/B55/M55
Carroll County



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 30 (Hanover Pike) AND
MD 496 (Bachmans Valley Road/Wentz Road)

SIGNALIZATION PLAN

SCALE 1" = 20'	DATE 12/02/2005	CONTRACT NO. AT7175185
DESIGNED BY S. BLOSS	COUNTY CARROLL	
DRAWN BY S. BLOSS	LOGMILE 06008009.69	
CHECKED BY N. LEARY	T.I.M.S. NO. H156	
F.A.P. NO.	TOD NO.	
TS NO. 4460 -	OF	SHEET NO. 1 OF 3

PLOTTED: TUESDAY, JANUARY 31, 2006 AT 08:49 AM
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